

### R E M A R K S

Careful review and examination of the subject application are noted and appreciated. Applicants' representative thanks Examiner Huber for the indication of allowed claims and allowable subject matter.

### SUPPORT FOR CLAIM AMENDMENTS

Support for the amendments to the claims can be found in the drawings, for example, in FIGS. 2, 6A, and 8(A-B) as originally filed, and in the specification, as originally filed, for example, on page 29, line 5-12. As such no new matter has been introduced.

### IN THE SPECIFICATION

The specification has been amended for consistency and to update cross references to other application. No new matter has been introduced.

### CLAIM OBJECTIONS

The objection to claim 33 has been obviated by appropriate amendment and should be withdrawn.

### CLAIM REJECTIONS UNDER 35 U.S.C. §102

The rejection of claims 1, 2, 4, 6, 8, 28-30, 34, 35, 37, 39, 40 and 52-54 under 35 U.S.C. §102(e) as being anticipated by

Harvey et al. (U.S. Patent No. 6,269,060; hereinafter Harvey) has been obviated by appropriate amendment and should be withdrawn.

Harvey concerns a programmable write signal generator (Title).

In contrast to the cited reference, the presently pending claim 1 now recites deriving a write strategy matrix **by adjusting elements of the write strategy matrix to reduce a difference between output data recovered from the optical disc data storage channel and data transformed using a target channel model.** Claims 28, 34 and 52 include similar recitations. Specifically, claim 28 now recites using the sequence of output data **to adjust a map of the plurality of subsequences to the plurality of write strategy parameters according to a difference between the sequence of output data and data transformed using a target channel model.** Claim 34 now recites a write strategy matrix **configured to reduce a difference between recovered output data from the optical disc data storage channel and data transformed using a target channel model.** Claim 52 now recites a processor **configured to use the sequence of output data to adjust a map of the plurality of subsequences to the plurality of write strategy parameters according to a difference between the sequence of output data and data transformed using a target channel model.**

Applicants' representative downloaded an electronic version of the Harvey reference and performed a search for the

words "target", "channel" and "model", with no occurrences being found. Since Harvey appears silent regarding a target channel model, it follows that Harvey does not appear to disclose or suggest using a target channel model to transform data, as presently claimed. Furthermore, claims 7, 31 and 57, which are allowed, recite similar limitations that include using a target channel model, as recited in presently pending claims 1, 28, 34 and 52. Therefore, Harvey does not appear to disclose or suggest each and every element of the presently claimed invention, arranged as in the claims. As such, the presently claimed invention is fully patentable over the cited reference and the rejection should be withdrawn.

Claims 2, 4, 6 and 8 depend from claim 1 which is believed to be allowable. Claims 29-30 depend from claim 28 which is believed to be allowable. Claims 35, 37 39 and 40 depend from claim 34 which is believed to be allowable. Claims 53 and 54 depend from claim 52 which is believed to be allowable. As such, the presently claimed invention is fully patentable over the cited references and the rejection should be withdrawn.

CLAIM REJECTIONS UNDER 35 U.S.C. §103

The rejection of claims 3 and 36 under 35 U.S.C. §103(a) as being unpatentable over Harvey in view of Official Notice has been obviated by appropriate amendment and should be withdrawn.

Claims 3 and 36 depend from either claim 1 or claim 34 which are believed to now be allowable. As such, the presently claimed invention is fully patentable over the cited references and the rejection should be withdrawn.

New claim 58 includes the allowable matter of claim 5. New claim 59 includes the allowable matter of claim 38. As such, the presently claimed invention is fully patentable over the cited references.

Accordingly, the present application is in condition for allowance. Early and favorable action by the Examiner is respectfully solicited.

The Examiner is respectfully invited to call the Applicants' representative at 586-498-0670 should it be deemed beneficial to further advance prosecution of the application.

If any additional fees are due, please charge Deposit Account No. 12-2252.

Respectfully submitted,

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